

CALIFORNIA COOPERATIVE SNOW SURVEYS PROGRAM

ESTABLISHED 1929

FORTY-NINTH ANNUAL MEETING OF COOPERATORS

November 20-21, 2003

Lake Natoma Inn, Folsom CA

AGENDA

*** Wednesday, November 19 ***

16:00-20:00 Registration

*** Thursday, November 20 ***

09:00-9:10 Introductions and Announcements

09:10-9:30 Opening Remarks

Chet Bowling, CVO, U.S. Bureau of Reclamation

Wayne Johnson, U.S. Army Corps of Engineers

09:30-10:15 Economic Benefits from Hydrologic Forecasting & Data Collection

Gary Bordini, Hydrology Branch, Department of Water Resources

10:15-10:30 Break

10:30-11:00 Role and Changes of the Cooperative Snow Survey Program: A Historical Perspective

Frank Gehrke, Cooperative Snow Survey Program, Department of Water Resources

11:00-11:30 Growth of Runoff Forecasting: Support to Today's Water Management

Pierre Stephens, Chief Water Supply Forecaster

11:30-12:00 Future Goals of the Cooperator Program

Group Discussion

Moderator: Gary Hester, Hydrology and Flood Operations Office, Department of Water Resources

12:00-13:30 Lunch

Irrigation/Water Session

13:30-14:00 Using Runoff Forecasts to Optimize SWP Operations

John Leahigh, SWP, Department of Water Resources

Using Runoff Forecasts to Optimize CVP Operations

Tom Patton, CVO, U.S. Bureau of Reclamation

14:00-14:30 Hydrologic Forecast Development for the New CALSIM II Allocation Model (CAM)

Hongbing Yin, Hydrology and Operation Modeling, Department of Water Resources

Environmental and Watershed Management Session

14:30-15:00 Data Networks and Environmental Monitoring in Yosemite National Park

Jessica Lundquist, University of California of San Diego, Scripps

15:00-15:30 Vernalis Adaptive Management Program: Operating to Environmental Flow Targets

Mike Archer, MBK Engineers

15:30-15:45 Break

Hydroelectric Session

15:45-16:15 California Hydroelectric
Jim Woodward, California Energy Commission

16:15-16:45 Economics of Hydroelectric Forecasting
Bruce McGurk, Pacific Gas and Electric

Flood Damage Reduction Session

16:45-17:15 Characterizing Uncertainty in Reservoir Inflow Forecasts
Rob Hartman, National Weather Service, California-Nevada River Forecast Center

17:15-17:45 Forecast-Based Operations of the Yuba and Feather River System
Ben Tustison, MBK Engineers

18:00-20:00 Annual Banquet

20:00- ? Guest Speaker – Dr. Michelle Stevens will be speaking on "Restoration of the Mesopotamian Marshes of southern Iraq."

❁ ❁ ❁ Friday, November 21 ❁ ❁ ❁

09:00-09:15 Announcements, Opening Remarks

09:15-09:35 Future Weather Outlook
Bill Mork, Department of Water Resources

09:35-9:55 Water Conditions/Forecast Verification
Pierre Stephens, Department of Water Resources

09:55-10:05 Short Term Snow Melt Forecast Verification
David Rizzardo & Mary Jimenez, Department of Water Resources

10:05-10:45 Cooperator Reports

10:45-11:00 Break

Staff Reports

11:00-11:10 Historical Unimpaired Flow Documentation
Steve Nemeth, Department of Water Resources

11:10-11:20 Historical Snow Sensor Data Review
John King, Department of Water Resources

11:20-11:30 Field Activities
Dave Hart, Department of Water Resources

11:30-11:45 Climate Change Update
Maury Roos, Department of Water Resources

11:45-12:00 Follow-Up Discussions: Future Direction

12:00 Adjourn